

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-252108

(43)Date of publication of application : 17.09.1999

(51)Int.Cl.

H04L 12/28

H04L 12/46

H04Q 3/00

(21)Application number : 10-053139

(71)Applicant : NIPPON TELEGR & TELEPH
CORP <NTT>

(22)Date of filing : 05.03.1998

(72)Inventor : ABE TETSUYA
MURAYAMA JUNICHI
KATO SHINICHI

(54) DATA CONVERSION TRANSFER DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide the data conversion transfer device that connects independently a plurality of media access control MAC protocol local area networks LANs to a plurality of Internet protocol LANs.

SOLUTION: In the data conversion transfer device, cross-reference between sets of VCI and destination IP addresses used for communication of IP packets with IP protocol LANs 1a-1c and sets of VCI and destination MAC addresses used for communication for MAC protocol LANs 3a-3c and MAC frame is stored on a table 2a. In the case of receiving an IP packet, a specific section 2b references the table 2a to specify a destination MAC address and an output VCI and in the case of receiving a MAC frame, a specific section B2d references the table 2a to specify an output VCI to convert and transfer the IP packet and the MAC frame.

